

Year 9 - Design and Technology 2022

TERM 1		
	Topic Title: Ongoing practical. Students complete a series of skill building practical lessons throughout the term.	
	UNIT OVERVIEW	ASSESSMENT
TIMING Weeks: Ongoing	<ul style="list-style-type: none"> • Experimentation • Realisation of design ideas <p>Students will also undergo practical skill building sessions throughout the unit of work.</p>	<p>Task Number: 1 Nature of Task: Practical Percentage: 10% Semester 1 10% Semester 2 Week: Ongoing</p>
TIMING Weeks:1-6	Topic Title: Designer Case Study. In this unit, Concepts of design, students will explore the purpose of design, as well as the elements and principles of good design and the design process. The studies will reveal how modern designers take into account the impact of their designs on both humans and the environment.	
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • The nature of design, technology, and appropriate technology • The purpose of design • Collaboration and interdisciplinary methods • Interrelationship of design with technology • Applying principals of design to new situations and contexts 	<p>Task Number: 2 Nature of Task: Designer Case Study Written Report Percentage:15% Week: 6 Reported: Semester 1</p>
TIMING Weeks:6-11	Topic Title: Agriculture - Naturally Eco. See Term 2 below	
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • See Term 2 below 	See Term 2 below

Year 9 - Design and Technology 2022

TERM 2

TIMING Weeks 1-4	Topic Title: Agriculture - Naturally Eco. (Continued) See Term 1	
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • Environmentally sustainable practices • Identifying needs and opportunity • Justifying the selected techniques and resources • Experimenting to develop and assess design ideas • Application of practical applications 	Task Number: 3 Nature of Task: Workbook and promotional product Percentage: 75% Week: Term 2, Week 4 Reported: Semester 1
TIMING Weeks 5-10	Topic title: Information and Communication Technologies - Festival architectural product. In this unit, students will devise a scaled architectural prototype. Incorporating the use of CAD and CAM software and machinery to communicate design features of the interior and exterior of a clamping tent/accommodation. Consideration of the needs of the target market and requirements of the design brief, they will evaluate their success against pre-prepared criteria.	
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • Requirements of end users and stakeholders • Design considerations • Evaluating against criteria for success • Communicating creative and innovative ideas and success criteria 	Task Number: 4 Nature of Task: Folio and product Percentage: 40% Week: Term 3, Week 5 Reported: Semester 2

Year 9 - Design and Technology 2022

TERM 3

TIMING Weeks 1-5	Topic title: Information and Communication Technologies - Festival architectural product (Continued) See Term 2	
	UNIT OVERVIEW	
	<ul style="list-style-type: none"> • See Term 2 	See Term 2
TIMING Weeks -5-10	Topic title: Materials Technologies- polymers product & end of year exam. In this unit, students consider sustainable-recycle practices. Students will research and investigate an individual need in the field of assisted technology. Incorporating recycled plastics into a product, through the process of heat and press to produce a functional item.	
	UNIT OVERVIEW	
	<ul style="list-style-type: none"> • Human technical and environmental factors affecting design and production of design projects • End user aspirations and the needs of individuals, society, and the environment • Creativity and problem-solving techniques used by designers in their work • Marketing strategies • Using ICT and applications 	ASSESSMENT Task Number: 5 Nature of Task: Folio and product Percentage: 30% Week: Term 4, Week 2 Reported: Semester 2

Year 9 - Design and Technology 2022

TERM 4		
TIMING Weeks: 1-2	Topic title: Materials Technologies - polymers product (Continued) See Term 3	
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • See Term 3 	See Term 3
Topic title- End of year exam. In this unit, students will undergo a Yearly Examination on all topics from the Stage 5 Design and Technology course. Students will also undergo preparation and cover remaining Stage 5 topics.		
	UNIT OVERVIEW	ASSESSMENT
	<ul style="list-style-type: none"> • Trends in technology and design • Ethical and responsible design • Innovation • Preferred futures 	Task Number: 6 Nature of Task: Yearly Examination Percentage: 20% Week: Term 4, Week 5 Reported: Semester 2